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## Amendments to the Claims:

Please amend the claims as follows:

- 1. (cancelled)
- (cancelled)
- 3. (currently amended) A system for reducing leakage through an electrical path in an integrated circuit comprising:
  - a first circuit component in said path between a voltage potential;
  - a second circuit component in said path; and

means for selectively providing feedback from an output of said second circuit component to an input of said first circuit component to selectively cutoff said path at said first circuit component when said path is not cutoff at said second circuit component, wherein said means for selectively providing feedback further includes a multiplizer configured to preserve means for preserving data in said circuit and selectively enable said feedback when said circuit is in the sleep mode.

- 4. (cancelled)
- 5. (cancelled)
- 6. (currently amended) The system of Claim 3 5 wherein said multiplexer is a 2-1 multiplexer having a shift input as a control input and having a scan-in input as one input and said feedback as a second input.
- 7. (currently amended) The system of Claim 3 5 wherein said first circuit component is a first Complementary Metal Oxide Semiconductor (CMOS) inverter, and wherein said second circuit component is a second CMOS inverter.
- 8. (previously amended) The system of Claim 7 wherein said feedback is provided over a feedback path which is chosen so that when said feedback is enabled, a high state occurring

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at an input of said second CMOS inverter results in a high state at an input of said first CMOS inverter, and a low state occurring at an input of said second CMOS inverter results in a low state

at an input of said first CMOS inverter.

9. (previously amended) The system of Claim 7 wherein said integrated circuit is a

master-slave latch.

10. (previously amended) The system of Claim 9 wherein when said latch sleeps when

a synchronizing clock signal of said latch is high, additional logic shuts off an additional leakage

path in a master cell of said latch via High Voltage Threshold (HVT) transistors that are

positioned in a selectively gated inverter in said master cell.

11. (previously amended) The system of Claim 10 further including means for

selectively disabling said feedback when said clock signal sleeps high, and wherein said additional

logic is positioned to block said additional leakage path.

12. (currently amended) The system of Claim 11 wherein said further comprising

means for selectively blocking said path involves including an HVT pass gate positioned between

said first circuit component and said second component when said clock signal sleeps high.

13. (cancelled).

14. (previously amended) A latch comprising:

a clock signal:

a circuit containing LVT and HVT transistors arranged so that data is selectively

transferred from an input of said latch to an output of said latch in response to said clock signal;

and

means for employing feedback within said circuit to block leakage paths through one of

said LVT transistors in said circuit via one or more of said HVT transistors when said circuit is in

sleep mode.

15. (original) The latch of Claim 14 wherein said LVT transistors are arranged to

minimize setup time and transition delay of said latch when said latch is in operating mode.

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16. (previously amended) The latch of Claim 15 wherein said means for employing feedback blocks leakage turning off said one or more of said HVT transistors when said circuit is in the sleep mode.

17. (original) The latch of Claim 16 wherein said circuit includes a master cell and a slave cell, said feedback occurring from said slave cell to said master cell.

18. (original) The latch of Claim 17 wherein said feedback represents half-latch data from said slave cell.

19. (original) The latch of Claim 18 further including a shift signal, said shift signal indicating when said circuit is in sleep mode.

20. (original) The latch of Claim 15 wherein said latch lacks HVT pass gates in a data path from said input to said output and includes two LVT pass gates in said data path.

21. (original) The latch of Claim 20 wherein one of said LVT pass gates is included in a master cell of said latch, and a second LVT pass gate is included in a slave cell of said latch.

22. (previously amended) The latch of Claim 21 wherein the leakage paths of said latch flow through off HVT transistors when said latch is in sleep mode.

23. (original) The latch of Claim 22 further including means for automatically enabling said latch to sleep when said clock signal of said latch is high or low.

24. (previously amended) The latch of Claim 23 wherein when said latch sleeps when said clock signal is high, additional logic shuts off another leakage path in said master cell via said HVT transistors that are positioned in a selectively gated inverter in said master cell.

25. (previously amended) The latch of Claim 24 further including means for selectively disabling said feedback when said clock signal sleeps high, and wherein said additional logic is positioned to block said additional leakage path.

26. (original) The latch of Claim 23 wherein said means for automatically enabling includes a multiplexer in communication with a controller for selectively controlling said feedback.

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- 27. (original) The latch of Claim 26 wherein said multiplexer is integrated with said master cell.
- 28. (original) The latch of Claim 23 wherein said synchronizing clock signal includes two synchronizing clock signals having different phases.
  - 29. (cancelled)
  - 30. (cancelled)